

Appendix C

ACRONYMS AND ABBREVIATIONS

AAAS	American Association for the Advancement of Science	CBD	Central Business District
AAC	Annual Allowable Cut	CCC	Canadian Climate Centre
ABI	Association of British Insurers	CCIRG	Climate Change Impact Review Group
AC	Alternating Current	CCN	Cloud Condensation Nuclei
ACBE	Advisory Committee on Business and the Environment	CDC	Centers for Disease Control and Prevention
ACOE	Army Corps of Engineers	CDIAC	Carbon Dioxide Information Analysis Center
ADB	Asian Development Bank	CEC	Commission of the European Communities
AECI	Agencia Española de Cooperación Internacional	CECA	Consumer Energy Council of America
AES	Applied Energy Services	CEFE	Centre d'Ecologie Fonctionnelle et Evolutive
AES	Atmospheric Environment Service	CERES	Clouds and Earth's Radiant Energy System
AFBC	Atmospheric Fluidized-Bed Combustion	CFL	Compact Fluorescent Lamp
AFC	Alkaline Fuel Cell	CHP	Combined Heat and Power
AFV	Alternative Fuel Vehicle	CI	Coal-Intensive
AGTD	Allison Gas Turbine Division, General Motors Corporation	CIAB	Coal Industry Advisory Board
AID	Agency for International Development	CIESIN	Consortium for International Earth Science Information Network
AIM	Asian Pacific Integrated Model	CNG	Compressed Natural Gas
AIP	American Institute of Physics	COP	Coefficient of Performance
AIRAC	All Industry Research Advisory Council	CPA	Centrally Planned Asia, including China
ALM	Agriculture Land-Use Model	CRESTA	Catastrophe Risk Evaluating and Standardized Target Accumulations
ALS	Area Licensing Scheme	CSIRO	Commonwealth Scientific and Industrial Research Organization
AMCM	Metropolitan Area of Mexico City	CVT	Continuously Variable Transmission
ANPP	Aboveground Net Primary Productivity	CZM	Coastal Zone Management
AOS	Atmosphere Ocean System	CZMS	Coastal Zone Management Subgroup
AP	Accelerated Policies	DC	Direct Current
APS	American Physical Society	DDE	Direction Départementale de l'Environnement
ASCE	American Society of Chemical Engineers	DENR-ADB	Department of Environment and Natural Resources–Asian Development Bank
AVHRR	Advanced Very High-Resolution Radiometer	DEPE	Chinese Department of Environmental Protection and Energy
BCC	Basal Cell Carcinoma	DH	District Heating
BEST	Board on Environmental Studies and Toxicology	DMS	Dimethyl Sulfide
BI	Biomass-Intensive	DNA	Deoxyribonucleic Acid
BIG/FC	Biomass-Integrated Gasifier/Fuel Cell	DOC	Dissolved Organic Carbon
BIG/GT	Biomass-Integrated Gasifier/Gas Turbine	DOE	U.S. Department of Energy
BLS	Basic Linked System	DSM	Demand-Side Management
BMRC	Bureau of Meteorology Research Center	DTI	Danish Technological Institute
BNL	Brookhaven National Laboratory	E	Evaporation
BP	Before Present	EC	European Community
BWEA	British Wind Energy Association	ECS	Environmentally Compatible Energy Strategies
CADDET	Centre for the Analysis and Dissemination of Demonstrated Energy Technologies	ECU	European Currency Unit
CAFE	Corporate Average Fuel Efficiency	EDS	Ecologically-Driven Scenario
CAM	Crassulacean Acid Metabolism	EEZ	Exclusive Economic Zone
CARB	California Air Resources Board	EIA	Energy Information Administration
CAST	Council for Agricultural Science and Technology		

EIS	Energy Industry System	GPP	Gross Primary Production
ELA	Equilibrium Line Altitude	GRIP	Greenland Icecore Project
ELA	Experimental Lakes Area	GT	Gross Tons
EMF	Energy Modeling Forum	GTOS	Global Terrestrial Observing System
EMI	Eemian Interglacial Period	GVA	Global Vulnerability Assessment
EMS	Energy Management System	GWP	Global Warming Potential
ENSO	El Niño-Southern Oscillation	HD	High Demand
EOR	Enhanced Oil Recovery	HEC	Herbaceous Energy Crops
EPRI	Electric Power Research Institute	HHV	Higher Heating Value
EPS	Energy Performance Systems, Inc.	HID	High-Intensity Discharge
ERB	Edmonds-Reilly-Barns Model	HIV	Human Immunodeficiency Virus
ERS	European Space Agency Remote Sensing Satellite	HMSO	Her Majesty's Stationery Office
ESCAP	U.N. Economic and Social Commission for Asia and the Pacific	HVAC	Heating, Ventilating, and Air Conditioning
ETH	Swiss Federal Institute of Technology	HWR	Heavy Water Reactor
ETSAP	Energy Technology Systems Analysis Programme	IAEA	International Atomic Energy Agency
EU	European Union	IAHS	International Association of Hydrological Sciences
EV	Electric Vehicle	IAM	Integrated Assessment Model
FACE	Forest Absorbing Carbon Dioxide Emissions (Foundation)	IBSNAT	International Benchmark Sites Network for Technology Transfer
FACE	Free-Air CO ₂ Enrichment	ICAO	International Civil Aviation Organization
FAO	Food and Agriculture Organization	ICEV	Internal-Combustion Engine Vehicle
FBSC	Fiji Building Standards Committee	ICSB	Innoprise Corporation Sdn Bhd
FC	Fluorocarbon	ICZM	Integrated Coastal Zone Management
FCCC	Framework Convention on Climate Change	IDNDR	International Decade for Natural Disaster Reduction
FCV	Fuel Cell Vehicle	IEA	International Energy Agency
FEMA	Federal Emergency Management Agency	IFPRI	International Food Policy Research Institute
FFES	Fossil Free Energy System	IFREMER	Institut Francais de Recherche pour l'Exploration de la Mer
FLORAM	Florestales Amazonia	IGBP	International Geosphere-Biosphere Programme
FSI	Forest Survey of India	IGCC	Integrated Gasification Combined Cycle
FSU	Former Soviet Union	IIASA	International Institute for Applied Systems Analysis
FSU/EE	Former Soviet Union/Eastern Europe	IIPLR	Insurance Institute for Property Loss Reduction
FYM	Farmyard Manure	IMAGE	Integrated Model to Assess the Greenhouse Effect
GATT	General Agreement on Tariffs and Trade	IMO	International Maritime Organization
GCC	Global Climate Coalition	INEL	Idaho National Engineering Laboratory
GCIP	GEWEX Continental-Scale International Project	IOC	Intergovernmental Oceanographic Commission
GCM	General Circulation Model	IPCC	Intergovernmental Panel on Climate Change
GCOS	Global Climate Observing System	IPCC-EIS	Intergovernmental Panel on Climate Change, Energy and Industry Subgroup
GCR	Gas-Cooled Reactor	IRC	Insurance Research Council
GCTE	Global Change and Terrestrial Ecosystems	IRP	Integrated Resource Planning
GDP	Gross Domestic Product	IRRI	International Rice Research Institute
GEA	Group for Efficient Appliances	ISIC	International Standard Industrial Classification
GED	Global Ecosystem Database	ISO	Insurance Services Office
GEEI	Global Energy Efficiency Initiative	ISOS	Impacts of Sea-Level Rise on Society
GEF	Global Environment Facility	ISRIC	International Soil Reference and Information Centre
GEMS	Global Environmental Monitoring System	ISTIG	Inter-Cooled Steam Injected Gas Turbine
GEWEX	Global Energy and Water Cycle Experiment	ITCZ	Inter-Tropical Convergence Zone
GFDL	Geophysical Fluid Dynamics Laboratory		
GFDLH	High-Resolution GFDL Model		
GHG	Greenhouse Gas		
GISS	Goddard Institute for Space Studies		
GLOBEC	Global Ocean Ecosystem Dynamics		
GLOSS	Global Sea Level Observing System		
GNP	Gross National Product		
GOOS	Global Ocean Observation System		

ITP	Integrated Transportation Planning	NINR	Norwegian Institute for Nature Research
ITQ	Individual Transferable Quota	NMSC	Nonmelanocytic Skin Cancer
IUCN	International Union for the Conservation of Nature/World Conservation Union	NOAA	National Oceanic and Atmospheric Administration
JGOFS	Joint Global Ocean Flux Study	NPP	Net Primary Productivity
JV	Joint Venture	NPT	Treaty on the Non-Proliferation of Nuclear Weapons
KIER	Korean Institute of Energy Research	NRC	National Research Council
LAI	Leaf Area Index	NRSA	National Remote Sensing Agency
LAIA	Lung and Asthma Information Agency	NSR	Not Satisfactorily Restocked
LAM	Limited Area Model	NUE	Nitrogen-Use Efficiency
LANL	Los Alamos National Laboratory	OECD	Organisation for Economic Cooperation and Development
LEC	Levelized Energy Cost	OIES	Office for Interdisciplinary Earth Studies
LERTS	Laboratoire d'Etudes et de Recherches en Teledetection Spatiale	OMNR	Ontario Ministry of Natural Resources
LESS	Low CO ₂ -Emitting Energy Supply Systems	ORNL	Oak Ridge National Laboratory
LHV	Lower Heating Value	OSTP	Office of Science and Technology Policy
LLNL	Lawrence Livermore National Laboratory	OSU	Oregon State University
LMR	Liquid Metal-Cooled Reactor	OTA	Office of Technology Assessment
LNG	Liquid Natural Gas	OTEC	Ocean Thermal Energy Conversion
LOICZ	Land-Ocean Interactions in the Coastal Zone	OTP	Ozone Trends Panel
LPG	Liquefied Petroleum Gas	P	Precipitation
LWR	Light Water Reactor	PAFC	Phosphoric Acid Fuel Cell
MAE	Ministère de l'Agriculture et de l'Elevage	PAN	Peroxyacetal Nitrate
MAI	Mean Annual Increment	PAO	Pacific OECD
MAPSS	Mapped Atmosphere-Plant-Soil System	PAR	Photosynthetically Active Radiation
MCFC	Molten Carbonate Fuel Cell	PCS	Property Claims Services
MHE-DFPP	Ministère de l'Hydraulique et de l'Environnement—Direction de la Faune, de la Pêche et de la Pisciculture	PEM	Proton Exchange Membrane
MINK	Missouri, Iowa, Nebraska, and Kansas	PET	Potential Evapotranspiration
MITI	Ministry of International Trade and Industry	PFBC	Pressurized Fluidized-Bed Combustion
MMT	Molten Metal Technologies	PFT	Plant Functional Type
MOPU	Ministerio de Obras y Urbanismo	PIC	Pacific Island Countries
MOX	Mixed Oxide	PIC	Products of Incomplete Combustion
MPI	Max-Planck Institut für Meteorologie	PNGV	Partnership for a New Generation of Vehicles
MSW	Municipal Solid Waste	PNUMA	Programa de Naciones Unidas para el Medio Ambiente
MT	Million Tons	P:PET	Precipitation to Potential Evapotranspiration Ratio
MTBE	Methyl Tertiary Butyl Ether	P:R	Production to Respiration Ratio
MTSJ	Marine Technology Society Journal	PURPA	Public Utilities Regulatory Policy Act
MVA	Megavolt-Amps	PV	Photovoltaic
NAS	National Academy of Sciences	RAS	Russian Academy of Sciences
NASA	National Aeronautics and Space Administration	RCW	"Rapidly Changing World" Scenario
NBR	National Biofuels Roundtable	R&D	Research and Development
NCAR	National Center for Atmospheric Research	RD&D	Research, Development, and Demonstration
NCC	Nature Conservancy Council	RIGES	Renewables-Intensive Global Energy Scenario
NCPI	National Committee on Property Insurance	RIVM	Institute of Public Health and Environmental Protection
NEA	Nouvelle Entreprise Agricole	RMIB	Royal Meteorological Institute of Belgium
NEERI	National Environmental Engineering Research Institute	RSC/CAE	Royal Society of Canada/Canada Academy of Engineering
NEP	New England Power	RSWG	Response Strategies Working Group
NEP	Net Ecosystem Productivity	RTI	Research Triangle Institute
NFIP	National Flood Insurance Program	SCC	Squamous Cell Carcinoma
NGI	Natural Gas-Intensive	SCOPE	Scientific Committee on Problems of the Environment
NHMRC	National Health and Medical Research Council	SCOR	Scientific Committee on Ocean Research
NI	Nuclear-Intensive	SCS	Soil Conservation Service
NIEHS	National Institute of Environmental Health Services		

SCW	“Slowly Changing World” Scenario	UNDP	UN Development Programme
SDSIDS	Global Conference on the Sustainable Development of Small Island Developing States	UNEP	UN Environment Programme
SERI	Solar Energy Research Institute	UNESCO	UN Educational, Scientific and Cultural Organization
SFWMD	South Florida Water Management District	UNIDO	UN Industrial Development Organization
SI	International System of Units	UNFPA	UN Population Fund
SMR	Small- and Medium-Size Reactors	UNSCEAR	UN Scientific Committee on the Effects of Atomic Radiation
SNL	Sandia National Laboratories	UNSEGED	UN Solar Energy Group on Environment and Development
SO	Southern Oscillation	USDA	U.S. Department of Agriculture
SOC	Soil Organic Carbon	USDC	U.S. Department of Commerce
SOFC	Solid Oxide Fuel Cell	USEPA	U.S. Environmental Protection Agency
SPEFC	Solid Polymer Electrolyte Fuel Cell	USGCRP	U.S. Global Change Research Program
SPFC	Solid Polymer Fuel Cell	USGS	U.S. Geological Survey
SRWC	Short Rotation Woody Crops	USLE	Universal Soil Loss Equation
SST	Sea-Surface Temperature	UVR	Ultraviolet Radiation
STIG	Steam Injected Gas Turbine	VAV	Variable Air Volume
TERI	Tata Energy Research Institute	VBD	Vector-Borne Disease
TES	Terrestrial Environment System	VOC	Volatile Organic Compound
TRW	Thompson, Ramo, and Wooldridge	WCC	World Coast Conference
TSU	Technical Support Unit	WCRP	World Climate Research Programme
TVM	Terrestrial Vegetation Model	WEC	World Energy Council
UBC	University of British Columbia	WEC	Weigel Engineering Company
UCAR	Universtiy Corporation for Atmospheric Research	WEE	Wind Erosion Equation
UKMO	United Kingdom Meteorological Office	WGI	Working Group I
UKMOH	High-Resolution UKMO Model	WGMS	World Glacier Monitoring Service
UN	United Nations	WHO	World Health Organization
UNCED	UN Conference on Environment and Development	WMO	World Meteorological Organization
UNCHS	UN Center for Human Settlements	WRI	World Resources Institute
UNCNRSEED	UN Committee on New and Renewable Sources of Energy and on Energy for Development	WRR	Wetenschappelijke Raad voor het Regeringsbeleid (The Netherlands Scientific Council for Government Policy)
UNCTAD	UN Conference on Trade and Development	WUE	Water-Use Efficiency
		WWF	World Wide Fund for Nature

CHEMICAL SYMBOLS USED IN THE WORKING GROUP II VOLUME

a-Si	Amorphous Silicon	HCO ₃	Bicarbonate Ion
C	Carbon	HFC	Hydrofluorocarbon
CF ₄	Tetrafluoromethane, CFC-14	K	Potassium
C ₂ F ₆	Hexafluoroethane, CFC-116	MeOH	Methanol
CFC	Chlorofluorocarbon	N	Atomic Nitrogen
CH ₄	Methane	N ₂	Molecular Nitrogen
CH ₃ OH	Methanol	NH ₃	Ammonia
CO	Carbon Monoxide	N ₂ O	Nitrous Oxide
CO ₂	Carbon Dioxide	NO	Nitric Oxide
CaO	Calcium Oxide	NO _x	Nitrogen Oxide
CaCO ₃	Calcium Carbonate	O	Atomic Oxygen
CdTe	Cadmium Telluride	O ₂	Molecular Oxygen
CuInSe ₂	Copper Indium Selenide	O ₃	Ozone
EthOH	Ethanol	Pu	Plutonium
H	Atomic Hydrogen	SO _x	Sulfur Oxide
H ₂	Molecular Hydrogen	SO ₂	Sulfur Dioxide
HCFC	Hydrochlorofluorocarbon		